

TSCOM TP1700

INTELLIGENT GEAPON HOME GATEWAY

Powerful Multi-Function Device Combines The Capabilities Of An Advanced Ont, Wifi Router And Home Network Management Hub Into A Single Compact Device That's Both Consumer-Friendly And Carrier-Grade.



- **FULL IEEE802.3/802.3AH COMPLIANCE**
- **64 SPLITS, 20KM REACH**
- **SERVICE SUPPORTED:**
VOIP, IP VIDEO AND DATA, CATV
- **802.11N TECHNOLOGY FOR EXTREME PERFORMANCE AND COVERAGE**
- **SIP AND H.248 PROTOCOLS SUPPORT**
- **SERVICE PROVIDER MANAGEABLE**
- **VLAN MANAGED SERVICES WITH PRIORITY QOS PROCESSING**
- **ADVANCED SECURITY**
- **CIRCUIT TESTING AND LOOP BACKS FOR TELEPHONY SERVICES**

The TP1700 series is an indoor optical network terminal (ONT) in Telesail FTTH solution. By using the EPON technology, ultra-broadband access is provided for home and SOHO users. The TP1700 series can provide two POTS ports, four FE Ethernet ports and one CATV port (optional), wifi, USB. The TP1700 features high-performance forwarding capabilities to ensure excellent experience with VoIP, Internet and HD video services.

Using 802.11n wireless technology, Wi-Fi enabled computers and devices can wirelessly connect to the TP1700 ONU and share a single incoming Internet connection. With four additional Ethernet LAN ports, you can connect to your network Ethernet-enabled devices.

The EPON ONT functionality of the TP1700 includes support for VPN pass-through of multiple concurrent IPSec and PPTP tunnels, making it especially useful for telecommuters or users who need a more secure way to communicate and transmit information.

A Web-based user interface allows you to easily modify settings to connect to your Internet Service Provider (ISP). This Web interface also provides traffic statistics, connection speed, and other detailed information.

The TP1700 also provides two VoIP integrated ports for VoIP application, and offers a comprehensive line of VoIP access devices that feature full compliance with industry standards, superb audio quality, rich functionalities, and high level of integration.

The TP1700 supports static IP, Dynamic IP, as well as PPPoE connections, and works with applications such as online gaming and VPN connections with no additional configuration. The TP1700 is easily upgradeable, making it future-proof for both end-users and service providers.

The TP1700 provides a perfect terminal solution and future-oriented service supporting capabilities for FTTH deployment. It brings high-speed wireless Internet connection to a home or office. It is suitable for both residential (in-home) and commercial (offices, apartments, hotels, warehouses) network applications.

Specification

Physical

- Dimensions
TP1714:
190 mm(W) x 132mm (D) x 45 mm(H)
TP1704-RF, TP1714-RF
240 mm(W) x 150mm (D) x 37 mm(H)
- Weight: <0.8kg (including the power adapter)
- Desktop mount

Power and Environmental

- Power Consumption:<15W
- Power
AC: 100~240VAC,50~60Hz
DC: 12V,2A
- Operating Requirement
0°C to +45°C ambient air temperature
10% to 85% operating humidity
(non condensing)
- Storage Requirement
-20°C to +70°C ambient air temperature
5% to 95% humidity
(non condensing)

Architecture

- Interface

Number	TP1714	TP1704-RF	TP1714-RF
EPON	1	1	1
LAN (FE)	4	4	4
FXS	2	2	2
RF	N/A	1	1
WIFI	support	N/A	support
USB2.0	1	N/A	N/A

Optical Characteristics

- IEEE 802.3ah compliant
- SFF optical module
- SC/PC optical PHY (single-mode fiber)
- Tx:1310nm Rx:1490nm
- Symmetric 1.25Gbps per PON port
- Tx Power:+0dbm ~ +4dbm
- Rx Sensitivity:-26dbm

Wireless Feature

- IEEE 802.11n, backward compatible to 802.11b/g
- Data rate: 802.11n up to 300Mbps (dynamic)
- 64-bit and 128-bit WEP encryption
- Open system, shared key, WPA/WPA-PSK, WPA2/WPA2-PSK

Router Functionalities

- NAT/NAPT function
- UPnP support
- RIP v1/v2, and IP policy routing
- IGMP v1, v2 and v3
- DHCP server/client/relay
- Anti-DOS, DMZ and Dynamic DNS
- Built-in IPSec VPN connection service
- NAT,NAPT,ALG,Port forwarding,Port trigger

VoIP Feature

- SIP (RFC 3261) version 2
- VAD (Voice Activity Detection), CNG (Comfort Noise Generation)
- Echo cancellation, DTMF relay
- Codec: G.711a/u, G.729a/b and G.726

Port and Buttons

- LAN: four 10/100M Auto MDI/MDI-X RJ-45 interfaces
- Wireless:
External antenna (TP1714)
Internal antenna (TP1714-RF)
- Button: Reset, WPS, WLAN, ON/OFF
- Two FXS POTS interfaces
- One USB 2.0 host interfaces (TP1714)

Management

- Web-enabled GUI based local configuration
- FTP/TFTP,Telnet,Console interface with CLI
- SNMP v1/v2c agent, TR069
- ONU Remote Upgrade and Management
- Environmental monitoring
- Local or the server's syslog log

Order Information

TSCOMTP1714 - ONU

TP1714	GEPON optical network unit provides 1 fix EPON interfaces, 4 10/100M BaseT, 2 RJ11 interface,802.11n WiFi,one USB2.0,single power supply ,AC110-240V, DC12V input, Plastic case
TP1704-RF	GEPON optical network unit provides 1 fix EPON interfaces, 4 10/100M BaseT , 2 RJ11 interface,1 CATV RF interface,single power supply ,AC110-240V, DC12V input, Plastic case
TP1714-RF	GEPON optical network unit provides 1 fix EPON interfaces, 4 10/100M BaseT , 2 RJ11 interface,1 CATV RF interface,802.11n WiFi,single power supply ,AC110-240V, DC12V input, Plastic case

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About Technology Co., Ltd

Telesail Technology is professional in IP-based, end-to-end networking solutions and international service and support. The company sells its broadband, wireless,transmission solutions to operators in both emerging and established telecommunications markets around the world. Telesail enables its customers to rapidly deploy revenue-generating access services using their existing infrastructure, while providing a migration path to cost-efficient, end-to-end IP networks.

For more information about Telesail, visit the company's Web site at <http://www.telesail.com>